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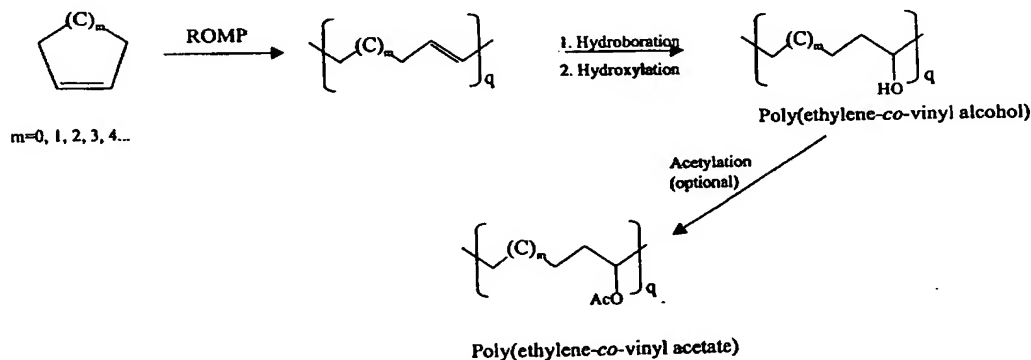
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- (71) Applicant (for all designated States except US): DOW GLOBAL TECHNOLOGIES INC. [US/US]; Washington Street, 1790 Building, Midland, MI 48674 (US).
- (72) Inventors; and
(75) Inventors/Applicants (for US only): WEAVER, John, D. [US/US]; 122 Anchusa Street, Lake Jackson, TX 77566 (US). HARRIS, William, J. [US/US]; 216 Plum Circle, Lake Jackson, TX 77566 (US). HILL, Stephen, E. [US/US]; 1901 N. Rock Island, Angleton, TX 77515 (US). CHEUNG, Yunwa, W. [US/US]; 104 Rosemary Lane, Lake Jackson, TX 77566 (US).
- (74) Agent: BAI, J., Benjamin; Jenkins & Gilchrist, 1100 Louisiana, Suite 1800, Houston, TX 77002 (US).
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(54) Title: LINEAR ETHYLENE/VINYL ALCOHOL AND ETHYLENE/VINYL ACETATE POLYMERS AND PROCESS FOR MAKING SAME



(57) Abstract: A polymer comprises a repeating unit of ethylene and vinyl alcohol, characterized by a linear backbone with substantial absence of branching on the backbone. The polymer has a steady state oxygen permeability coefficient substantially independent of the humidity. In addition, a polymer comprises a repeating unit of ethylene and vinyl acetate, characterized by a linear backbone with substantial absence of branching on the backbone and a plurality of acetate groups bonded to the backbone. Some polymers comprise vinyl alcohol or acetate groups that are separated by x-2, x-1 or x carbon atoms, and such groups are present in a ratio of 1:2:1, wherein x ranges integrally from 3 to 12.

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